

Hydromorphone, trimethylsilyl ether

Other names:	Hydromorphone, O-TMS Hydromorphone, mono-TMS Hydromorphone TMS derivative Hydromorphone (AS 59)
Inchi:	InChI=1S/C20H27NO3Si/c1-21-10-9-20-13-6-7-15(22)19(20)23-18-16(24-25(2,3)4)8-5-1
InchiKey:	OTAGLWYPCUBLAU-UHFFFAOYSA-N
Formula:	C20H27NO3Si
SMILES:	CN1CCC23c4c5ccc(O[Si](C)(C)C)c4OC2C(=O)CCC3C1C5
Mol. weight [g/mol]:	357.52
CAS:	221209-08-1

Physical Properties

Property code	Value	Unit	Source
log10ws	-1.80		Crippen Method
logp	3.138		Crippen Method
rinpol	2570.80		NIST Webbook

Sources

NIST Webbook:	http://webbook.nist.gov/cgi/cbook.cgi?ID=C221209081&Units=SI
Crippen Method:	http://pubs.acs.org/doi/abs/10.1021/ci990307l
Crippen Method:	https://www.chemeo.com/doc/models/crippen_log10ws

Legend

log10ws:	Log10 of Water solubility in mol/l
logp:	Octanol/Water partition coefficient
rinpol:	Non-polar retention indices

Latest version available from:

<https://www.chemeo.com/cid/57-672-3/Hydromorphone-trimethylsilyl-ether.pdf>

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